

5.4.2. 2001 OCEAN CRUISE

During fall 2001 the HATS group participated on a research cruise in the Southern Ocean. The Australian ship *Aurora Australis* departed Hobart, Tasmania, on October 29 and returned to Hobart on December 13. The vessel headed south toward the Antarctic coast before returning to Australia, retracing a previous Climate Variability and Predictability (CLIVAR) cruise track (Figure 5.35). The HATS group measured over 20 halogenated compounds in the surface seawater and overlying atmosphere. The results will be coordinated with those obtained by research groups from NOAA Atlantic Oceanographic and Meteorological Laboratory (AOML) (halocarbon depth profiles) and the University of California at Irvine (methyl bromide and methyl chloride degradation rates).

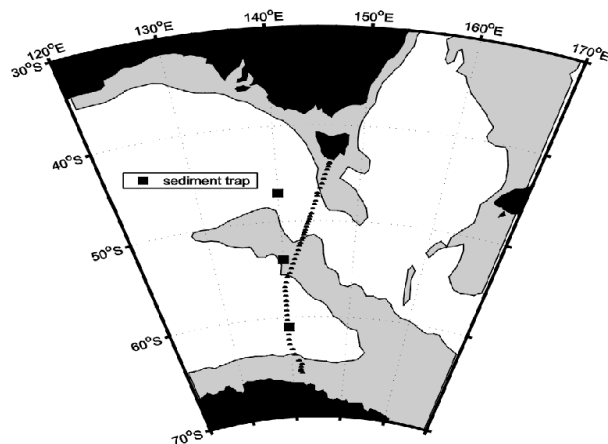


Fig. 5.35. The cruise track for the fall 2001 cruise on which the HATS group participated. The *Aurora Australis* departed Hobart, Tasmania, and returned to Hobart after approaching the Antarctic coast.